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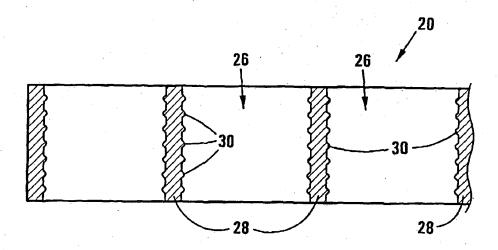
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(54) Title: THE CONSTRUCTION OF ROADS



(57) Abstract: The invention relates to the use of stabilizing body in the construction of roads. The stabilizing body comprises a substancially rigid, planar body (20) that can be inter-engaged with other similar bodies in a configuration in which an extended, substancially planar stabilizing structure can be formed. Each stabilizing body defines a multi-cellular configuration with cells (26) defined by side walls extending from the operative top side of the body towards the operative bottom side thereof. The side walls (28) defining the cells have projecting formations (30) projecting therefrom into the cells. In use, the wearing course of a road is formed within and above a stabilizing structure formed above the base of the road, with the asphalt composition used filling the cells and being anchored to the stabilizing bodies via the projecting formations, thus forming a wearing course resistant to various different known of road failure.

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INTERNATIONAL SEARCH REPORT

tional Application No

PCT/IB 02/00005 A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 E01C11/16 E01C3/00 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 E01C Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the International search (name of data base and, where practical, search terms used) **EPO-Internal** C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to claim No. Citation of document, with Indication, where appropriate, of the relevant passages US 5 250 340 A (BOHNHOFF WILLIAM W) 1-4,6,X 5 October 1993 (1993-10-05) 13, 15-18, column 3, line 65 -column 4, line 6; figures 1,2,6, X GB 383 848 A (RENE FABRY; STAVELEY COAL & 13-17, IRON COMPANY L) 24 November 1932 (1932-11-24) 21-23 the whole document GB 239 014 A (GEORGE EDWARD CROWTER; JOHN 1,2,6, X 13-15, HINES) 3 September 1925 (1925-09-03) 17,21-23 8,9 Α column 3, line 96 - line 129; figures Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international "X" document of particular relevance; the claimed Invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. document referring to an oral disclosure, use, exhibition or document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 16/05/2002 8 May 2002 Name and mailing address of the ISA Authorized officer European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016

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INTERNATIONAL SEARCH REPORT

Ir tional Application No PCT/IB 02/00005

(a) 888 512 A (GEORGE HENRY SHORTHOSE) 1,2,7, 13, 15-17, 21-23 page 2, line 30 - line 38; figures		tion) DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages		Relevant to claim No.	
2 March 1933 (1933-03-02) page 2, line 30 - line 38; figures 13, 15-17, 21-23					
page 2, line 30 – line 38; figures	X	2 March 1933 (1933-03-02)		1,2,7, 13, 15-17, 21-23	
		page 2, line 30 - line 38; figures			
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INTERNATIONAL SEARCH REPORT

ional Application No PCT/IB 02/00005

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 5250340	A	05-10-1993	US US AU WO	5102048 A 5123778 A 2660892 A 9304856 A1	07-04-1992 23-06-1992 05-04-1993 18-03-1993
GB 383848	Α	24-11-1932	NONE		
GB 239014	Α	03-09-1925	NONE		
GB 388512	Α	02-03-1933	NONE	, , , , , , , , , , , , , , , , , , , 	